Amendment to the Claims

Please cancel claims 26-30 and 53-55 without prejudice to pursing these claims in a continuation, divisional, continuation-in-part or other application. Following is a complete listing of claims, as amended:

1-21. (Canceled)

- 22. (Original) A method for finishing a surface of a protective package on a microelectronic device, comprising:
 - etching at least a portion of the surface of the package to remove a layer of material from the package; and
 - cleaning residual materials and/or chemicals from the package after terminating the etching of the package surface.
- 23. (Original) The method of claim 22 wherein etching the package includes chemically etching at least a portion of the surface of the package with hydrofluoric acid, and wherein cleaning the package includes rinsing at least a portion of the package with de-ionized water.
- 24. (Original) The method of claim 22, wherein the package surface to be finished is positioned adjacent to an interposing substrate assembly, and wherein the method further comprises positioning a masking member at least adjacent to a portion of the interposing substrate assembly such that the portion of the package surface to be etched is not covered by the masking member.
 - 25. (Original) The method of claim 22, further comprising:
 - controlling the depth of the etching by determining a depth at which the chemical etching will have removed sufficient blemishes from the package surface to attain a preselected surface finish and terminating the etching at the depth where the preselected surface finish has been attained.

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26-48. (Canceled)

49. (Previously presented) A method for simultaneously finishing a surface of a protective package on each of a plurality of microelectronic devices carried on a common substrate, comprising:

etching at least a portion of the surface of each package to remove a layer of material from the package;

- cleaning residual materials and/or chemicals from the package after terminating the etching of the package surface; and
- after terminating the etching, cutting the common substrate to separate the microelectronic devices from one another.
- 50. (Previously presented) The method of claim 49 wherein etching the surface of each package includes chemically etching at least a portion of the surface of the package with hydrofluoric acid, and wherein cleaning the package includes rinsing at least a portion of the package with de-ionized water.
- 51. (Previously presented) The method of claim 49, wherein the common substrate comprises an interposing substrate assembly, and wherein the method further comprises positioning a masking member at least adjacent to a portion of the interposing substrate assembly such that the portion of the package surface to be etched is not covered by the masking member.
 - 52. (Previously presented) The method of claim 49, further comprising: controlling the depth of the etching by determining a depth at which the chemical etching will have removed sufficient blemishes from the package surface to attain a preselected surface finish and terminating the etching at the depth where the preselected surface finish has been attained.

53-55. (Canceled)

56. (Previously presented) A method for packaging a microelectronic device, comprising:

molding package compound at least partially around a microelectronic die in a mold to at least partially encase the microelectronic die, leaving a surface blemish on a marking surface of the mold compound;

removing the package from the mold;

prior to marking the marking surface, etching at least a portion of the marking surface to remove a layer of material from the package;

terminating the etching when the surface blemish has been at least partially removed from the package; and

marking the etched marking surface after terminating the etching.

- 57. (Previously presented) The method of claim 56, wherein the package is positioned adjacent to an interposing substrate assembly, and wherein the method further comprises positioning a masking member at least adjacent to a portion of the interposing substrate assembly such that the portion of the package surface to be etched is not covered by the masking member.
- 58. (Previously presented) The method of claim 56, wherein etching the surface of each package includes chemically etching at least a portion of the surface of the package with hydrofluoric acid, and wherein cleaning the package includes rinsing at least a portion of the package with de-ionized water.
 - 59. (Previously presented) The method of claim 56, further comprising: controlling the depth of the etching by determining a depth at which the chemical etching will have removed sufficient blemishes from the package surface to attain a preselected surface finish and terminating the etching at the depth where the preselected surface finish has been attained.

- 60. (Previously presented) A method for marking a surface of a protective resin package on a microelectronic device, comprising:
 - providing a plurality of microelectronic devices on a common substrate, each of the microelectronic devices including a protective resin package;
 - simultaneously etching at least a portion of the surface of each package to remove a layer of material from each package formed on the common substrate;
 - terminating the etching when a surface blemish on at least one of the packages has been at least partially removed from the package; and applying a mark to each of the packages after terminating the etching.
- 61. (Previously presented) The method of claim 60, wherein at least one of the microelectronic devices has been identified as having a resin package with a blemish on a primary marking surface of the package, and wherein the surface to be marked is the primary marking surface.
- 62. (Previously presented) A method for packaging a microelectronic die carried on a substrate, comprising:
 - molding package compound at least partially around a microelectronic die in a mold to at least partially encase the microelectronic die, leaving a portion of the substrate exposed and leaving a surface blemish on a marking surface of the package compound;

removing the resulting package from the mold;

- prior to marking the marking surface, positioning a masking member at least adjacent to a portion of the substrate such that the marking surface is not covered by the masking member;
- prior to marking the marking surface, etching at least a portion of the marking surface to remove a layer of material from each package formed on the common substrate;

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terminating the etching when the surface blemish has been at least partially removed from the package; and marking the etched marking surface after terminating the etching.